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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/693,706	10/24/2003	Youzhong Liu	03-1003	2276
25537 VERIZON PATENT MANAGEMENT GROUP 1515 N. COURTHOUSE ROAD SUITE 500 ARLINGTON, VA 22201-2909	7590 05/19/2008		<div>EXAMINER</div> <div>SALL, EL HADJI MALICK</div>	
			<div>ART UNIT</div> <div>2157</div>	<div>PAPER NUMBER</div>
			<div>NOTIFICATION DATE</div> <div>05/19/2008</div>	<div>DELIVERY MODE</div> <div>ELECTRONIC</div>

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patents@verizon.com

### Office Action Summary

**Application No.**

10/693,706

**Applicant(s)**

LIU ET AL.

**Examiner**

EL HADJI M. SALL

**Art Unit**

2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE \_\_\_\_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 28 February 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) 15-17 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14 and 18-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-8508)  
Paper No(s)/Mail Date \_\_\_\_

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_

### **DETAILED ACTION**

1. This action is responsive to the amendment filed on February 28, 2008. Claims 15-17 are withdrawn. Claims 1-28 are pending. Claims 1-28 represent screen scraping interface.

2. ***Claim Rejections - 35 USC § 102***

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claims 1-14, 18-26 and 28 are rejected under 35 U.S.C. 102(e) as being unpatentable over Teubner U.S. 6,981,257.

Teubner teaches the invention as claimed including system, method and apparatus to allow communication between CICS and non-CICS software application (see abstract).

As to claims 1 and 18, Teubner teaches a method and an interface for interfacing between a client and a mainframe system, comprising:

Receiving a request for services from said client (column 4, lines 4-5);

Parsing said requests to obtain parsed requests (column 4, lines 4-6);

Obtaining service definitions based on said parsed requests (column 3, lines 53 to column 4, line 6);

Executing commands based on said service definitions, said commands corresponding with applications recognized by said mainframe system for providing results to said requests for services (column 4, lines 7-9; column 3, lines 31-32; column 2, lines 42-45); and

Providing said results to said client (column 4, line 9)

As to claims 2 and 3, Teubner teaches a method according to claims 1 and 2, respectively, wherein receiving said requests for services comprises:

receiving a connection request from said client (column 11, lines 47-61; column 11, line 62 to column 12, lines 54); and

instantiating a session manager to receive said requests for services (column 11, lines 62-65; column 11, line 62 to column 12, lines 54).

As to claims 4 and 5, Teubner teaches a method according to claims 1 and 4, respectively, comprising:

retrieving entitlement information related to said client (column 12, lines 64—67);  
and

obtaining said service definitions when said entitlement information indicates said parsed requests can be processed for said client (column 4, lines 53-57).

As to claim 6, Teubner teaches a method according to claim 1, wherein:

obtaining service definitions comprises determining if said requests for services are requests for single commands (column 2, lines 42-45); and

executing commands for providing results comprises executing said single commands at an interface interfacing said client with said mainframe system when said requests for services are requests for single commands (column 19, lines 43-48; column 14, lines 9-13).

As to claims 7-10, Teubner teaches a method according to claims 1, 7, 7 and 9, respectively, comprising: creating a plurality of connections with said mainframe system

to form a connection pool; and assigning one of said connections from said connection pool for interacting with said mainframe system when a service request is received (columns 5-8, Teubner discloses programming interface between CICS program and terminal devices...; column 19, lines 43-48; column 14, lines 9-13).

As to claim 11, Teubner teaches a method according to claim 1, comprising: specifying identifiers for screens of said mainframe system; and specifying actions to be taken with respect to said screens to generate said service definitions, said actions including one of receiving said requests for services and providing said results (column 19, lines 30-39).

As to claims 12-14, Teubner teaches a method according to claims 1, 12 and 12, respectively, comprising: opening a socket connection to an interface to facilitate interfacing with said mainframe system; and managing said interface over said socket connection (column 14, line 18 to column 16, line 28).

As to claim 19, Teubner teaches an interface according to claim 18, comprising: a database for storing a plurality of service definitions; and a storage manager communicating with said service processor and retrieving from said database said service definitions based on said parsed requests (column 14, lines 33-47).

As to claims 20-23, Teubner teaches an interface according to claim 18, comprising an interface engine to listen for a connection request and instantiate said session manager to receive said requests for services related to said connection request (column 11, line 47 to column 12, lines 54).

As to claims 24 and 25, Teubner teaches an interface according to claims 18 and 24, respectively, comprising an administrative tool for facilitating at least one of creating new service definitions and modifying existing service definitions (column 14, line 18 to column 16, line 28).

As to claim 26, Teubner teaches an interface according to claim 18, comprising a command processor to execute administrative commands based on said requests for services when said requests for services are requests for a single command (column 19, lines 43-48; column 14, lines 9-13).

As to claim 28, Teubner teaches an interface according to claim 18, comprising a logging service to log activities of said interface (column 14, line 18 to column 16, line 28).

**4.**

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains.

Patentability shall not be negated by the manner in which the invention was made.

5. Claim 27 is rejected under 35 U.S.C. 103(a) as being unpatentable over Teubner U.S. 6,981,257 in view of Steele et al. U.S. 7,016,877.

Teubner teaches the invention substantially as claimed including system, method and apparatus to allow communication between CICS and non-CICS software application (see abstract).

As to claim 27, Teubner teaches an interface according to claim 18

Teubner fails to teach explicitly an authenticator containing access privilege information for said client, said access privilege information for determining if a client inputting said requests for services is authorized to have said service processor obtain said service definitions based on said parsed requests.



However, Steele teaches Consumer-controlled limited and constrained access to a centrally stored information account. Steele teaches an authenticator containing access privilege information for said client, said access privilege information for determining if a client inputting said requests for services is authorized to have said service processor obtain said service definitions based on said parsed requests (column 10, lines29-52).

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Teubner in view of Steele to provide an authenticator containing access privilege information for said client, said access privilege information for determining if a client inputting said requests for services is authorized to have said service processor obtain said service definitions based on said parsed requests. One would be motivated to do so to allow monitoring transactions.

**6. *Response to Arguments***

Applicant's arguments filed 02/28/08 have been fully considered but they are not persuasive.

(A) Applicant argues that he Examiner did not cite any passage in Teubner for "obtaining service definitions based on said parsed requests."

In regards to point (A), examiner respectfully disagrees.

Column 3, lines 53 to column 4, line 6, Teubner discloses receiving a datastream and parse it. Furthermore, accept a request from a client program which specifies the name of the CICIS transaction and any required input data (i.e. "obtaining service definitions based on said parsed requests").

(B) Applicant argues that The Examiner did not expressly cite any passage in Teubner for "executing commands based on said service definitions," where "said commands correspond with applications recognized by said mainframe system ...."

In regards to point (B), examiner respectfully disagrees.

Column 4, lines 7-9, Teubner discloses cause said transaction to be executed; intercept the input and the output commands; and format said output as an XML document to be returned to the client. Furthermore, Teubner discloses the present invention runs on the mainframe (see column 3, line 32); and client application or application server send a request to an IBM mainframe and receive an XML document (see column 2, lines 42-4)...(i.e. "said commands correspond with applications recognized by said mainframe system").

## **7. Conclusion**

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

In the case of amending the claimed invention, Applicant is respectfully requested to indicate the portion(s) of the specification which dictate(s) the structure relied on for proper interpretation and also to verify and ascertain the metes and bounds of the claimed invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to El Hadji M Sall whose telephone number is 571-272-4010. The examiner can normally be reached on 8:00-4:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/El Hadji M Sall/

Examiner, Art Unit 2157

/Ario Etienne/

Supervisory Patent Examiner, Art Unit 2157